

Title (en)  
AUTOMATED MACHINE FOR SETTING FLEXIBLE NAILING POINTS ON A FRAME

Title (de)  
AUTOMATISIERTE MASCHINE ZUM SETZEN VON FLEXIBLEN NAGELPUNKTEN AN EINEM RAHMEN

Title (fr)  
MACHINE AUTOMATIQUE A POSER DES POINTES FLEXIBLES SUR UN CADRE

Publication  
**EP 1355769 A1 20031029 (FR)**

Application  
**EP 01995759 A 20011221**

Priority  
• FR 0104156 W 20011221  
• FR 0100298 A 20010111

Abstract (en)  
[origin: US7010851B2] The machine includes a movable carriage ( 5 ) carrying an application gun ( 8 ) filled with pins for application, which is movable above a work station composed of a table ( 1 ) carrying an endless belt ( 2 ). The machine is provided with a rack ( 10 ) for storing a plurality of guns ( 8 ) pre-filled with pins, which rack can be accessed by a gripping holder ( 7 ) carried by the carriage ( 5 ). A detector mounted on the gun can ascertain the absence of a pin in the frame at the application location and instruct the movement of the holder towards the rack.

IPC 1-7  
**B27F 7/00**

IPC 8 full level  
**B27F 7/00** (2006.01)

CPC (source: EP US)  
**B27F 7/006** (2013.01 - EP US); **Y10T 29/53039** (2015.01 - EP US); **Y10T 29/53061** (2015.01 - EP US); **Y10T 29/5307** (2015.01 - EP US); **Y10T 29/53478** (2015.01 - EP US); **Y10T 29/53522** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Citation (search report)  
See references of WO 02055273A1

Cited by  
CN111536412A; CN109732714A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2004144445 A1 20040729; US 7010851 B2 20060314**; AT E272470 T1 20040815; DE 60104725 D1 20040909; EP 1355769 A1 20031029; EP 1355769 B1 20040804; ES 2225643 T3 20050316; FR 2819210 A1 20020712; FR 2819210 B1 20030328; WO 02055273 A1 20020718

DOCDB simple family (application)  
**US 25091004 A 20040126**; AT 01995759 T 20011221; DE 60104725 T 20011221; EP 01995759 A 20011221; ES 01995759 T 20011221; FR 0100298 A 20010111; FR 0104156 W 20011221